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23117 7590 02/01/2011

NIXON & VANDERHYE, PC  
901 NORTH GLEBE ROAD, 11TH FLOOR  
ARLINGTON, VA 22203

EXAMINER

NGUYEN, KHAI MINH

ART UNIT

PAPER NUMBER

2617

DATE MAILED: 02/01/2011

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/068,001

02/08/2002

Billy Hogan

HWB 2380-604

6407

TITLE OF INVENTION: COORDINATED SUBSCRIBER ACCESS HANDLING FOR SHARED NETWORK SUPPORT

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/02/2011

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.**

**THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.**

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If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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If the SMALL ENTITY is shown as NO:

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B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.**

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23117 7590 02/01/2011

**NIXON & VANDERHYE, PC**  
901 NORTH GLEBE ROAD, 11TH FLOOR  
ARLINGTON, VA 22203

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(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/068,001 02/08/2002 Billy Hogan HWB 2380-604 6407

**TITLE OF INVENTION:** COORDINATED SUBSCRIBER ACCESS HANDLING FOR SHARED NETWORK SUPPORT

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/02/2011

EXAMINER	ART UNIT	CLASS-SUBCLASS
NGUYEN, KHAI MINH	2617	455-411000

**1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).**

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

**2. For printing on the patent front page, list**

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 \_\_\_\_\_
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 \_\_\_\_\_
- 3 \_\_\_\_\_

**3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)**

**PLEASE NOTE:** Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

**4a. The following fee(s) are submitted:**

- ☐ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies \_\_\_\_\_

**4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)**

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number \_\_\_\_\_ (enclose an extra copy of this form).

**5. Change in Entity Status (from status indicated above)**

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

**NOTE:** The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

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Registration No. \_\_\_\_\_

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.**

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/068,001	02/08/2002	Billy Hogan	HWB 2380-604	6407
23117	7590	02/01/2011	EXAMINER	
NIXON & VANDERHYE, PC 901 NORTH GLEBE ROAD, 11TH FLOOR ARLINGTON, VA 22203			NGUYEN, KHAI MINH	
			ART UNIT	PAPER NUMBER
			2617	
DATE MAILED: 02/01/2011				

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 588 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 588 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/068,001	HOGAN ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	KHAI M. NGUYEN	2617	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 2/24/2010.
2. ☒ The allowed claim(s) is/are 2-5,7,9-15,17,19,43-46,48-53,55-60,62-70,72, and 87-92.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

**Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br/>Paper No./Mail Date _____</li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application</li> <li>6. <input type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date _____.</li> <li>7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input type="checkbox"/> Other _____.</li> </ol> |
|---|---|

/AJIT PATEL/  
Primary Examiner, Art Unit 2617

## DETAILED ACTION

### EXAMINER'S AMENDMENT

1. Authorization for this examiner's amendment was given in a telephone interview with H. Warren Burnam Jr. on 6/2/2010 and 1/25/2011.

#### **Abstract has been amended.**

[00107] To facilitate, e.g., determination of access rights in a shared network context, a telecommunications network transmits, in a broadcast channel over an air interface, an access group eligibility message (300-2) to a user equipment unit (30). The access group eligibility message enables the user equipment unit to ascertain, on a basis of access group to which the user equipment unit belongs, whether the user equipment unit is eligible to operate in a cell for which the access group eligibility message is transmitted. The telecommunications network also includes a core network node (18, 20) which, ~~upon receipt of request for/from the user equipment unit,~~ classifies the user equipment unit in at least one of plural access groups. Further, the core network node generates, ~~for transmission to the user equipment unit through the radio access network,~~ an access group classification message (300-1) which advises the user equipment unit as to which of the plural access groups the user equipment unit belongs. Upon receipt of the access group classification message, the user equipment unit stores an access group classification obtained from the access group classification message in a memory (102) at the user equipment unit. ~~In illustrated embodiments, the access group classification message can, as appropriate, be one of a location update response and a location update reject message, either of which can include the access group~~

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~~classification. In accordance with one aspect of the present invention, An access controller (100) of the user equipment unit (upon receiving the access group eligibility message) compares the stored access group classification with contents of the access group eligibility message to determine whether the user equipment unit is allowed access to the cell for which the access group eligibility message is transmitted. This determination thus allows the user equipment unit to make a decision whether or not it has access rights in a particular cell, and thereby addresses access rights in complex network configurations such as a shared network situation. Further, the present invention provides an access rights determination scheme generally applicable to a user equipment unit regardless of whether it is in the IDLE mode or in one of the following states of the CONNECTED mode: CELL\_FACH state; CELL\_PCH state; and URA\_PCH state.~~

Claims 8, 47, and 61 have been canceled.

Claims 7, 46, and 60 have been amended.

Claim 9: line 1 "claim 8" change to --claim 7--.

Claim 48: line 1 "claim 47" change to --claim 46--.

Claim 49: line 1 "claim 47" change to --claim 46--.

Claim 62: line 1 "claim 61" change to --claim 60--.

Claim 7: A telecommunications network comprising a radio access network which generates and transmits, in a broadcast channel over an air interface, an access group eligibility message which enables a user equipment unit which receives the access group eligibility message to make a determination whether the user equipment unit is

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eligible to operate or not operate in a cell for which the access group eligibility message is transmitted, the determination involving a comparison of access group eligibility information transmitted in the access group message and an access group classification information, the access group classification information having been generated by a core network node which classified the user equipment unit into at least one of plural access groups;

wherein the user equipment unit stores the access group classification information obtained from an access group classification message in a memory at the user equipment unit;

wherein the user equipment unit upon receiving the access group eligibility message compares the stored access group classification with contents of the access group eligibility message to determine on a basis of an access group to which the user equipment unit belongs as indicated by the access group classification information whether the user equipment unit is allowed access to the cell for which the access group eligibility message is transmitted; and

wherein the access group eligibility message includes a first bitmap which indicates eligibility for the plural access groups; wherein the access group classification message includes a second bitmap which advises the user equipment unit as to which of the plural access groups the user equipment unit belongs.

Claim 46: A user equipment unit which receives over an air interface an access group classification message and an access group eligibility message, the access group

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classification message being generated by a core network node for advising the user equipment unit as to which of the plural access groups the user equipment unit belongs, the access group eligibility message being generated by a radio access network node for specifying eligibility of plural access groups to operate or not operate in a cell for which the access group eligibility message is transmitted, the user equipment unit comprising:

an access controller which stores an access group classification information obtained from the access group eligibility message and which compares the stored access group classification with contents of the access group eligibility message to determine on a basis of an access group to which the user equipment unit belongs as indicated by the access group classification information whether the user equipment unit is allowed access to the cell for which the access group eligibility message is transmitted;

wherein the access group eligibility message includes a bitmap which indicates eligibility for plural access groups;

wherein the access group eligibility message includes a first bitmap which indicates eligibility for the plural access groups; wherein the access group classification message includes a second bitmap which advises the user equipment unit as to which of the plural access groups the user equipment unit belongs; and



wherein the user equipment unit performs a logical operation with respect to the first bitmap and the second bitmap to determine whether the user equipment unit is allowed access to the cell for which the access group eligibility message is transmitted.

Claim 60: A method of operating a telecommunications network comprising:

transmitting, in a broadcast channel over an air interface, an access group eligibility message generated by a radio access network;

receiving the access group eligibility message at a user equipment unit;  
the user equipment unit using the access group eligibility message to make a determination on a basis of an access group to which the user equipment unit belongs as indicated by access group classification information whether the user equipment unit is eligible to operate or not operate in a cell for which the access group eligibility message is transmitted, the determination involving a comparison of access group eligibility information transmitted in the access group message and the access group classification information which is generated by a core network node;

further comprising storing in a memory at the user equipment unit the access group classification information obtained from an access group classification message;

the user equipment unit, upon receiving the access group eligibility message, comparing the stored access group classification information with contents of the access group eligibility message to determine whether the user equipment unit is allowed access to the cell for which the access group eligibility message is transmitted;  
and

including in the access group eligibility message a first bitmap which indicates eligibility for the plural access groups; and including in the access group classification message a second bitmap which advises the user equipment unit as to which of the plural access groups the user equipment unit belongs.

***Allowable Subject Matter***

2. Claims 2-5, 7, 9-15, 17, 19, 43-46, 48-53, 55-60, 62-70, 72, and 87-92 are allowed.

The following is an examiner's statement of reasons for allowance:

Applicant's independent claim 7: The present invention is directed to a telecommunications network, the independent claim identifies the patentably distinct feature, "wherein the user equipment unit stores the access group classification information obtained from an access group classification message in a memory at the user equipment unit; wherein the user equipment unit upon receiving the access group eligibility message compares the stored access group classification with contents of the access group eligibility message to determine on a basis of an access group to which the user equipment unit belongs as indicated by the access group classification information whether the user equipment unit is allowed access to the cell for which the access group eligibility message is transmitted; and wherein the access group eligibility message includes a first bitmap which indicates eligibility for the plural access groups; wherein the access group classification message includes a second bitmap which advises the user equipment unit as to which of the plural access groups the user

equipment unit belongs". Applicant's independent claim 7 comprises a particular combination of elements, which is neither taught nor-suggested by prior art.

Applicant's independent claim 17: The present in invention is directed to telecommunication network, the independent claim identifies the patentably distinct feature, "wherein the access group classification message is one of a location update response and a location update reject message which includes the access group classification and a version field associated with the access group classification; wherein upon receiving a subsequent core network message in the form of one of a location update response or location update reject message, the subsequent core network message including a potentially revised access group classification and a version field associated with the access group Classification carried by the subsequent core network message, the user equipment unit determines, by comparing contents of the version field associated with the access group classification and the version field associated with the access group classification carried by the subsequent core network message, whether the user equipment unit should update its stored access group classification". Applicant's independent claim 17 comprises a particular combination of elements, which is neither taught nor-suggested by prior art.

Applicant's independent claim 19: The present in invention is directed to telecommunication network, the independent claim identifies the patentably distinct feature, "wherein the access group classification message generated by the core network includes the access group classification and a version field associated with the access group classification; wherein upon entering a new cell associated with a second

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core network, the user equipment unit receives an access group eligibility message transmitted for the new cell, the access group eligibility message transmitted for the new cell including a version field associated with the contents of the access group eligibility message transmitted for the new cell, and wherein the user equipment unit determines, by comparing contents of the version field associated with the access group classification and the version field associated with the access group eligibility message transmitted for the new cell, whether the user equipment unit should update its stored access group classification". Applicant's independent claim 19 comprises a particular combination of elements, which is neither taught nor-suggested by prior art.

Applicant's independent claim 46: The present invention is directed to a user equipment unit which receives over an air interface an access group classification message and an access group eligibility message, the access group classification message being generated by a core network node for advising the user equipment unit as to which of the plural access groups the user equipment unit belongs, the access group eligibility message being generated by a radio access network node for specifying eligibility of plural access groups to operate or not operate in a cell for which the access group eligibility message is transmitted, the independent claim identifies the patentably distinct feature, "an access controller which stores an access group classification information obtained from the access group eligibility message and which compares the stored access group classification with contents of the access group eligibility message to determine on a basis of an access group to which the user equipment unit belongs as indicated by the access group classification information whether the user equipment unit

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is allowed access to the cell for which the access group eligibility message is transmitted; wherein the access group eligibility message includes a bitmap which indicates eligibility for plural access groups; wherein the access group eligibility message includes a first bitmap which indicates eligibility for the plural access groups; wherein the access group classification message includes a second bitmap which advises the user equipment unit as to which of the plural access groups the user equipment unit belongs; and wherein the user equipment unit performs a logical operation with respect to the first bitmap and the second bitmap to determine whether the user equipment unit is allowed access to the cell for which the access group eligibility message is transmitted". Applicant's independent claim 46 comprises a particular combination of elements, which is neither taught nor-suggested by prior art.

Applicant's independent claim 52: The present in invention is directed to a user equipment unit which receives over an air interface an access group classification message and an access group eligibility message, the access group classification message being generated by a core network node for advising the user equipment unit as to which of the plural access groups the user equipment unit belongs, the access group eligibility message being generated by a radio access network node for specifying eligibility of plural access groups to operate or not operate in a cell for which the access group eligibility message is transmitted, the independent claim identifies the patentably distinct feature, "wherein the access group classification message includes the access group classification and a version field associated with the access group classification; wherein upon receiving a subsequent core network message, the subsequent core

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network message including a potentially revised access group classification and a version field associated with the access group classification carried by the subsequent core network message, the access controller determines, by comparing contents of the version field associated with the access group classification and the version field associated with the access group classification carried by the subsequent core network message, whether the user equipment unit should update its stored access group classification". Applicant's independent claim 52 comprises a particular combination of elements, which is neither taught nor-suggested by prior art.

Applicant's independent claim 53: The present in invention is directed to a user equipment unit which receives over an air interface an access group classification message and an access group eligibility message, the access group classification message being generated by a core network node for advising the user equipment unit as to which of the plural access groups the user equipment unit belongs, the access group eligibility message being generated by a radio access network node for specifying eligibility of plural access groups to operate or not operate in a cell for which the access group eligibility message is transmitted, the independent claim identifies the patentably distinct feature, "wherein the access group classification message includes the access group classification and a version field associated with the access group classification; wherein upon entering a new cell associated with a second core network, the user equipment unit receives an access group eligibility message transmitted for the new cell, the access group eligibility message transmitted for the new cell including a version field associated with the contents of the access group eligibility message transmitted for

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the new cell, and wherein the access controller determines, by comparing contents of the version field associated with the access group classification and the version field associated with the access group eligibility message transmitted for the new cell, whether the user equipment unit should update its stored access group classification”.

Applicant's independent claim 53 comprises a particular combination of elements, which is neither taught nor-suggested by prior art.

Applicant's independent claim 60: The present in invention is directed to a method of operating a telecommunications network, the independent claim identifies the patentably distinct feature, “receiving the access group eligibility message at a user equipment unit; the user equipment unit using the access group eligibility message to make a determination on a basis of an access group to which the user equipment unit belongs as indicated by access group classification information whether the user equipment unit is eligible to operate or not operate in a cell for which the access group eligibility message is transmitted, the determination involving a comparison of access group eligibility information transmitted in the access group message and the access group classification information which is generated by a core network node; further comprising storing in a memory at the user equipment unit the access group classification information obtained from an access group classification message; the user equipment unit, upon receiving the access group eligibility message, comparing the stored access group classification information with contents of the access group eligibility message to determine whether the user equipment unit is allowed access to the cell for which the access group eligibility message is transmitted; and including in

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the access group eligibility message a first bitmap which indicates eligibility for the plural access groups; and including in the access group classification message a second bitmap which advises the user equipment unit as to which of the plural access groups the user equipment unit belongs". Applicant's independent claim 60 comprises a particular combination of elements, which is neither taught nor-suggested by prior art.

Applicant's independent claim 70: The present in invention is directed to a method of operating a telecommunication network, the independent claim identifies the patentably distinct feature, "including in an access group classification message the access group classification and a version field associated with the access group classification; the user equipment unit receiving a subsequent core network message in the form of one of a location update response or location update reject message, the subsequent core network message including a potentially revised access group classification and a version field associated with the access group classification carried by the subsequent core network message; the user equipment unit determining, by comparing contents of the version field associated with the access group classification and the version field associated with the access group classification carried by the subsequent core network message, whether the user equipment unit should update its stored access group classification". Applicant's independent claim 70 comprises a particular combination of elements, which is neither taught nor-suggested by prior art.

Applicant's independent claim 72: The present in invention is directed to a method of operating a telecommunication network, the independent claim identifies the patentably distinct feature, "wherein an access group classification message generated



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by the core network includes the access group classification and a version field associated with the access group classification; upon the user equipment unit entering a new cell associated with a second core network; the user equipment unit receiving an access group eligibility message transmitted for the new cell, the access group eligibility message transmitted for the new cell including a version field associated with the contents of the access group eligibility message transmitted for the new cell; and the user equipment unit determining, by comparing contents of the version field associated with the access group classification and the version field associated with the access group eligibility message transmitted for the new cell, whether the user equipment unit should update its stored access group classification". Applicant's independent claim 72 comprises a particular combination of elements, which is neither taught nor-suggested by prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submission should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to KHAI M. NGUYEN whose telephone number is (571)272-7923. The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vincent P. Harper can be reached on 571.272.7605. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/AJIT PATEL/

Primary Examiner, Art Unit 2617

/Khai M Nguyen/  
Examiner, Art Unit 2617

6/3/2010